

AMENDMENTS TO THE CLAIMS

11. (Amended) A program wherein the method according to [any one of claims] claim 1 [to 10] is constructed using a mathematical means, which realizes, on a computer, a function capable of predicting novel biological functional and/or binding activity of desired protein, amino acid, or nucleotide sequence.

13. (Amended) A storage medium readable on a computer, which stores a program wherein the method according to [any one of claims] claim 1 [to 10] is constructed using a mathematical means, the program realizing, on a computer, a function capable of predicting novel biological functional and/or binding activity of desired protein, amino acid sequence, or nucleotide sequence.

14. (Amended) A binding mode of at least two kinds of arbitrary proteins (or amino acid sequences, nucleotide sequences), which is predicted by the method according to [any one of claims] claim 1 [to 10].

15. (Amended) An application of biological functional activity of an arbitrary protein or nucleotide sequence predicted by the method according to [any one of claims] claim 1 [to 10],

the activity being employed for at least one selected from a pesticide as a therapeutic agent, a medicament as a therapeutic agent, prevention of a hereditary disease, diagnosis of a hereditary disease, prevention of a pestilence, and diagnosis of a pestilence.